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|--|---|------------------------|--------------------|
| TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i> | | Application Number | 10/713,754 |
| | | Filing Date | November 13, 2003 |
| | | First Named Inventor | Bruce W. MCGAUGHEY |
| | | Art Unit | 2123 |
| | | Examiner Name | A. Pierre-Louise |
| Total Number of Pages in This Submission | 8 | Attorney Docket Number | 188122001900 |

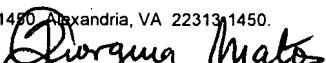
| ENCLOSURES (Check all that apply) | | |
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| <input checked="" type="checkbox"/> Fee Transmittal Form + duplicate copy for fee processing (2 pages) <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement – Supplemental (3 pages) <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD | <input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): PTO Form SB/08 + courtesy copy (2 pages) Return Receipt Postcard |
| Remarks | | |

| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT | |
|--|---|
| Firm Name | MORRISON & FOERSTER LLP (Customer No. 25226) |
| Signature |  |
| Printed name | Thomas Chan |
| Date | April 11, 2007 |
| | Reg. No. 51,543 |

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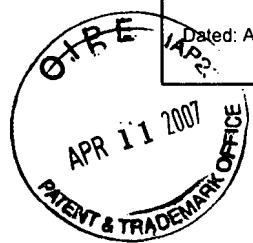
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Dated: April 11, 2007 Signature

(Georgina Matos)



Docket No.: 188122001900
Client Ref. No.: CAD: 03-093
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Bruce W. MCGAUGHEY et al.

Serial No.: 10/713,754

Filing Date: November 13, 2003

For: SYSTEM AND METHOD FOR
COMMUNICATING SIMULATION
SOLUTIONS BETWEEN CIRCUIT
COMPONENTS IN A HIERARCHICAL
DATA STRUCTURE

Examiner: A. Pierre-Louise

Group Art Unit: 2123

Confirmation No.: 1629

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97 & 1.98

MS AF
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. § 1.97 and § 1.98, Applicants submit for consideration in the above-identified application the documents listed on the attached Form PTO/SB/08a/b. Copies of the documents were previously submitted in an Information Disclosure Statement and/or Office Action, directed to the related application Serial Number 10/724,277 filed November 26, 2003; application Serial Number 10/713,729, filed November 13, 2003; application Serial Number 10/713,753, filed November 13, 2003; and application Serial Number 10/713,728, filed on November 13, 2003, and, accordingly, copies are not included herewith. This protocol conforms

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pa-1138818

with 37 C.F.R. §1.98(d) and M.P.E.P. 609(A)(2). The Examiner is requested to make these documents of record in the application.

This Supplemental Information Disclosure Statement is submitted:

- With the application; accordingly, no fee or separate requirements are required.
- Before the mailing of a first Office Action after the filing of a Request for Continued Examination under § 1.114. However, if applicable, a certification under 37 C.F.R. § 1.97 (e)(1) has been provided.
- Within three months of the application filing date or before mailing of a first Office Action on the merits; accordingly, no fee or separate requirements are required. However, if applicable, a certification under 37 C.F.R. § 1.97 (e)(1) has been provided.
- After receipt of a first Office Action on the merits but before mailing of a final Office Action or Notice of Allowance.
 - A fee is required. A check in the amount of __ is enclosed.
 - A fee is required. Accordingly, a Fee Transmittal form (PTO/SB/17) is attached to this submission in duplicate.
 - A Certification under 37 C.F.R. § 1.97(e) is provided above; accordingly; no fee is believed to be due.
- After mailing of a final Office Action or Notice of Allowance, but before payment of the issue fee.
 - A check in the amount of __ is enclosed.
 - A Fee Transmittal form (PTO/SB/17 is attached to this submission in duplicate.)

Applicants would appreciate the Examiner initialing and returning the Form PTO/SB/08a/b, indicating that the information has been considered and made of record herein.

The information contained in this Supplemental Information Disclosure Statement under 37 C.F.R. § 1.97 and § 1.98 is not to be construed as a representation that: (i) a complete search has

been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

In the unlikely event that the transmittal form is separated from this document and the Patent and Trademark Office determines that an extension and/or other relief (such as payment of a fee under 37 C.F.R. § 1.17 (p)) is required, Applicants petition for any required relief including extensions of time and authorize the Commissioner to charge the cost of such petition and/or other fees due in connection with the filing of this document to **Deposit Account No. 03-1952** referencing 188122001900.

Dated: April 11, 2007

Respectfully submitted,

By

Thomas Chan

Registration No.: 51,543
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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

| | | | | <i>Complete if Known</i> | |
|-------|---|----|---|--------------------------|--------------------|
| | | | | Application Number | 10/713,754 |
| | | | | Filing Date | November 13, 2003 |
| | | | | First Named Inventor | Bruce W. MCGAUGHEY |
| | | | | Art Unit | 2123 |
| | | | | Examiner Name | A. Pierre-Louise |
| Sheet | 1 | of | 1 | Attorney Docket Number | 188122001900 |

U.S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|--------------------|-----------------------|--|--------------------------------|--|---|
| | | Number-Kind Code ² (if known) | | | |
| 1. | US-2003/0237067-A1 | 12-25-2003 | Mielke et al. | | |
| 2. | US-2004/0078767-A1 | 04-22-2004 | Burks et al. | | |
| 3. | US-4,942,536-A | 07-17-1990 | Watanabe et al. | | |
| 4. | US-6,026,226-A | 02-15-2000 | Heile et al. | | |
| 5. | US-6,035,107-A | 03-07-2000 | Kuehlmann et al. | | |
| 6. | US-6,301,687-B1 | 10-09-2001 | Jain et al. | | |
| 7. | US-6,339,836-B1 | 01-15-2002 | Eisenhofer et al. | | |
| 8. | US-6,374,205-B1 | 04-16-2002 | Kurabayashi et al. | | |
| 9. | US-6,449,761-B1 | 09-10-2002 | Greidinger et al. | | |
| 10. | US-6,571,377-B2 | 05-27-2003 | Narita | | |
| 11. | US-6,865,525-B1 | 03-08-2005 | Zhong | | |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
|--------------------|-----------------------|---|--------------------------------|--|---|----------------|
| | | Country Code ³ -Number ⁴ -Kind Code ⁵ (if known) | | | | |
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NON PATENT LITERATURE DOCUMENTS

| | | | | | | |
|-------------------|-----------------------|---|--|--|--|----------------|
| Examiner Initials | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | | | | T ² |
| | 12. | Chakrabarti, D.R. et al. (November 23-24, 1995). "An Improved Hierarchical Test Generation Technique for Combinational Circuits with Repetitive Sub-circuits," <i>Proceedings of the Fourth Asian Test Symposium 1995</i> , 1:237-243. | | | | |
| | 13. | Jones et al. (February 1994). "A Cache-Based Method for Acceleration Switch-Level Simulation," <i>IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems</i> 13(2). | | | | |
| | 14. | Stanford.edu. "Radix 2 FFT Complexity is N Log N," In <u>Mathematics of the Discrete Fourier Transform (DFT), with Music and Audio Application</u> . Smith, III, J.O. (2003). W3K Publishing: Stanford, located at < http://ccma.stanford.edu/~jos/mdft/Radix_2_FFT_Complexity.html >, 1 page. | | | | |
| | 15. | Wong, Y. (1985). "Hierarchical Circuit Verification," <i>IEEE 22nd Design Automation Conference</i> . | | | | |

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

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|--------------------|-----------------|
| Examiner Signature | Date Considered |
|--------------------|-----------------|